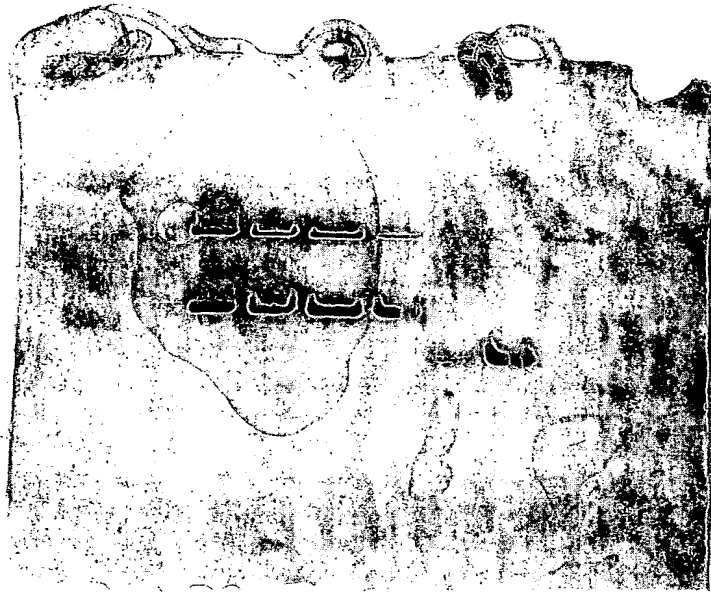


Fig. 1



1 2 3 4 5 6 7 8

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Fig. 2A

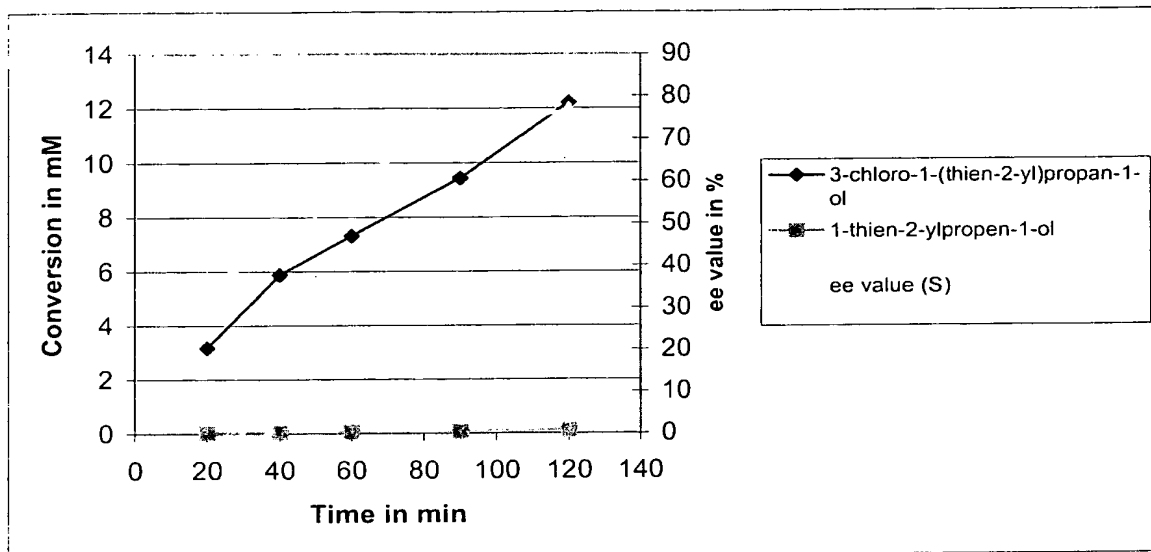
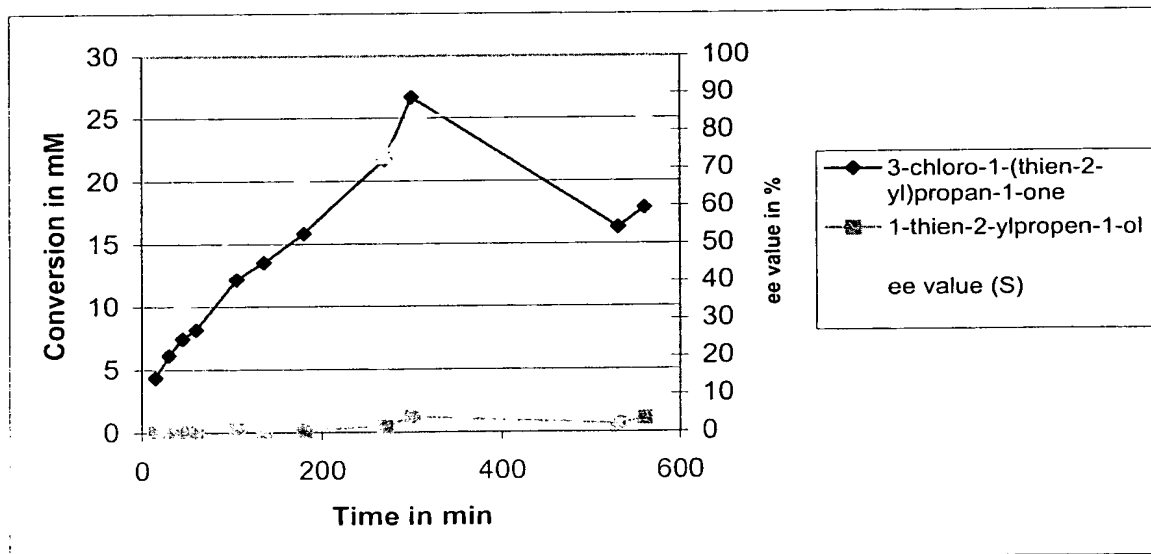


Fig. 2B



|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |            |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|------------|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22     | 23         | 24 | 25 |
| S  | N  | R  | L  | D  | G  | K  | V  | A  | I  | V  | T  | G  | G  | T  | L  | G  | I  | G  | L  | A  | I      | A          | T  | K  |
| 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47     | 48         | 49 | 50 |
| F  | V  | E  | E  | G  | A  | K  | V  | M  | I  | T  | G  | R  | H  | S  | D  | V  | G  | E  | K  | A  | A<br>K | (K)<br>(A) | S  | V  |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |    |    |    |    |    |    |    |    |    |    |    |        |            |    |    |
| G  | T  | P  | D  | Q  | I  | Q  | F  | F  | /  |    |    |    |    |    |    |    |    |    |    |    |        |            |    |    |
|    |    | T  |    |    |    |    |    | V  | /  |    |    |    |    |    |    |    |    |    |    |    |        |            |    |    |
|    |    |    |    |    |    |    |    | G  | /  |    |    |    |    |    |    |    |    |    |    |    |        |            |    |    |
|    |    |    |    |    |    |    |    | N  | /  |    |    |    |    |    |    |    |    |    |    |    |        |            |    |    |

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Fig. 3B

1. Tryptic liquid digestion Fr. 34 UP Mono P 31279/170Tr.-Sp.-RP Fr. 4

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |     |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18  | 19 | 20 |
| T | P | L | V | D | D | L | P | G | A  | E  | E  | A  | M  | S  | Q  | R  | (R) | /  | /  |
| S | V | G | T | P | E | Q | I | Q | F  | F  | Q  | H  | D  | R  |    |    |     |    |    |
| F | A | T |   | S | I | F | V | K |    |    |    | Y  | T  |    |    |    |     |    |    |
|   |   |   |   |   |   | A |   | P |    |    |    |    |    |    |    |    |     |    |    |

Tr.-Sp.-RP Fr. 6

|   |   |   |   |   |   |   |   |   |     |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|-----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10  | 11 | 12 | 13 | 14 | 15 |
| S | V | E | E | T | T | T | A | E | (W) | R  | /  | /  | /  | /  |

Tr.-Sp.-RP Fr. 18

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| S | V | G | T | P | D | Q | J | Q | F  | F  | Q  | H  | D  | S  | S  | D  | E  | D  | G  |

Tr.-Sp.-RP Fr. 4 (3/4 of filter)

|          |          |          |          |          |          |          |          |          |          |    |    |    |    |    |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|----|----|----|----|
| 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11 | 12 | 13 | 14 | 15 |
| <u>V</u> | <u>N</u> | <u>I</u> | <u>V</u> | <u>H</u> | <u>P</u> | <u>G</u> | <u>Y</u> | <u>J</u> | <u>K</u> | /  | /  | /  | /  | /  |
| L        | F        | D        | A        | T        | E        | K        | /        | /        | /        | /  | /  | /  | /  | /  |

Tr.-Sp.-RP Fr. 4 (1/4 of filter)

|          |          |          |          |
|----------|----------|----------|----------|
| 1        | 2        | 3        | 4        |
| <u>V</u> | <u>N</u> | <u>I</u> | <u>V</u> |
| L        | F        | D        | A        |

Tr.-RP Fr. 3

|     |   |   |   |   |   |   |
|-----|---|---|---|---|---|---|
| 1   | 2 | 3 | 4 | 5 | 6 | 7 |
| A   | F | I | P | G | K | R |
| V   | M |   | Q | Y |   | N |
| I   |   |   |   |   |   |   |
| L,S |   |   |   |   |   |   |

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Tr.-Sp.-RP Fr. 8

|     |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
|-----|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| (S) | A | A | L | D | / | A | L | K | /  | /  | /  | /  | /  | /  |

Tr.-Sp.-RP Fr. 23

|   |     |   |   |   |   |   |   |   |     |    |    |    |    |    |    |    |    |
|---|-----|---|---|---|---|---|---|---|-----|----|----|----|----|----|----|----|----|
| 1 | 2   | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10  | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| S | A   | A | L | D | / | A | L | K | D   | Y  | /  | V  | R  | /  | /  | /  | /  |
| F | (A) | T | G | S | E | F | V | V | (D) | G  | G  | Y  | T  | A  | Q  | /  | /  |

Tr.-Sp.-RP Fr. 14

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| S | A | A | L | D | / | A | L | K | /  | /  | /  | /  | /  | /  | /  | /  |

Tr.-Sp.-RP Fr. 31

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| K | L | L | A | V | N | L | D | G | V  | F  | F  | G  | T  | R  | /  | /  | /  | /  | /  |

Tr.-Sp.-RP Fr. 2

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| / | M | / | T | G | R |

Tr.-Sp.-RP Fr. 27

|          |          |          |          |          |          |          |          |   |          |          |          |    |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|---|----------|----------|----------|----|----------|----------|
| 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9 | 10       | 11       | 12       | 13 | 14       | 15       |
| <u>I</u> | <u>K</u> | <u>I</u> | <u>P</u> | <u>M</u> | <u>G</u> | <u>H</u> | <u>I</u> | / | <u>E</u> | <u>P</u> | <u>N</u> | /  | <u>I</u> | <u>A</u> |
| S        | A        | A        | L        | D        | G        | A        | L        | K | D        | Y        | D        | V  | R        | /        |
| F        | A        | T        | G        | S        | E        | F        | V        | V | D        | G        | G        | Y  | T        | A        |

Tr.-Sp.-RP Fr. 28

|          |          |          |          |          |          |   |          |     |          |     |     |     |          |          |    |    |    |    |    |
|----------|----------|----------|----------|----------|----------|---|----------|-----|----------|-----|-----|-----|----------|----------|----|----|----|----|----|
| 1        | 2        | 3        | 4        | 5        | 6        | 7 | 8        | 9   | 10       | 11  | 12  | 13  | 14       | 15       | 16 | 17 | 18 | 19 | 20 |
| <u>I</u> | <u>K</u> | <u>I</u> | <u>P</u> | <u>M</u> | <u>G</u> | ? | <u>I</u> | (A) | <u>E</u> | (P) | (N) | (D) | <u>I</u> | <u>A</u> | Y  | /  | /  | /  | /  |
| F        | A        | T        | G        | S        | E        | F | V        | V   | D        | G   | G   | Y   | T        | A        | Q  |    |    |    |    |
| S        | A        | A        | L        | D        | (C)      | A | L        | K   | D        | Y   | D   | V   | R        | /        |    |    |    |    |    |

**2. V8 liquid digestion Fr.34 UP Mono P 31279/170****V8-RP Fr. 30**

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23  | 24  | 25  |
| K | A | A | K | S | V | G | T | P | D  | Q  | I  | Q  | F  | F  | Q  | H  | D  | S  | S  | P  | E  | (V) | (V) | (Q) |
| T | G | L | F | L |   | V | L | R | V  | A  | T  | V  |    | P  | G  | Y  | I  | K  | A  | T  |    | A   | N   |     |
| Q |   |   |   | R |   |   | V |   | N  | E  |    |    |    |    |    |    | D  |    |    |    |    |     |     |     |

**V8-RP Fr. 19**

|   |          |          |          |          |          |          |          |          |    |    |    |    |    |    |    |    |    |    |    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| / | <u>V</u> | <u>K</u> | <u>L</u> | <u>L</u> | <u>A</u> | <u>V</u> | <u>N</u> | <u>L</u> | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  |
|   | K        |          |          | A        |          |          |          |          | I  |    |    |    |    |    |    |    |    |    |    |
|   | R        |          |          |          |          |          |          |          | D  |    |    |    |    |    |    |    |    |    |    |

**V8-RP Fr. 18**

|     |   |   |   |     |   |   |   |   |    |    |    |    |    |            |          |          |          |          |            |
|-----|---|---|---|-----|---|---|---|---|----|----|----|----|----|------------|----------|----------|----------|----------|------------|
| 1   | 2 | 3 | 4 | 5   | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15         | 16       | 17       | 18       | 19       | 20         |
| T/G | V | F | F | (G) | L | K | Q | N | I  | E  | N  | I  | N  | <u>I/N</u> | <u>A</u> | <u>A</u> | <u>V</u> | <u>R</u> | <u>(P)</u> |
| V   |   | V | N | T   | V | H | P | G | Y  | I  | K  | T  | P  | L          | M        | D        | D        | D        |            |
|     |   |   |   |     |   |   |   |   |    |    | D  |    |    |            | G        |          |          | L        |            |
|     |   |   |   |     |   |   |   |   |    |    |    |    |    |            | V        |          |          |          |            |

**V8-RP Fr. 22**

|          |    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|----------|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1        | 2  | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       |
| <u>G</u> | F  | <u>V</u> | <u>G</u> | <u>D</u> | <u>P</u> | <u>S</u> | <u>L</u> | <u>G</u> | <u>A</u> | <u>Y</u> | <u>N</u> | <u>A</u> | <u>G</u> | <u>K</u> | <u>G</u> | <u>A</u> | <u>V</u> | <u>R</u> | <u>I</u> |
| Q        | V  | L        |          | A        | Q        | N        | M        | K        | N        | G        | G        | L        | S        | A        | M        | I        | K        | N        | M        |
| T        | S  |          |          | I        | Y        | R        | A        |          | K        | K        | A        | V        | R        | I        | S        |          |          |          | A        |
| P        |    |          |          |          |          | K        |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 21       | 22 | 23       | 24       | 25       | 26       | 27       | 28       | 29       | 30       |          |          |          |          |          |          |          |          |          |          |
| M        | S  | K        | S        | A        | A        | L        | (D)      | /        | /        |          |          |          |          |          |          |          |          |          |          |

**V8-RP Fr. 4**

|   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| F | V | V | D | / | / | / | / | / | /  |

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V8-RP Fr. 26

|          |          |     |          |          |          |          |          |          |          |          |            |    |    |    |    |    |    |    |    |
|----------|----------|-----|----------|----------|----------|----------|----------|----------|----------|----------|------------|----|----|----|----|----|----|----|----|
| 1        | 2        | 3   | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| <u>D</u> | <u>G</u> | /   | <u>T</u> | <u>K</u> | <u>L</u> | <u>F</u> | <u>D</u> | <u>A</u> | <u>T</u> | <u>E</u> | <u>(E)</u> | /  | /  | /  | /  | /  | /  | /  | /  |
| R        | K        | (L) | K        | D        | A        |          | E        | D        |          |          |            |    |    |    |    |    |    |    |    |
|          | Y        | (F) |          | P        |          |          |          |          |          |          |            |    |    |    |    |    |    |    |    |

V8-RP Fr. 7 (C terminus)

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| F | V | V | D | G | G | Y | T | A | Q  | /  | /  | /  | /  |

V8-RP Fr. 28

|          |          |          |            |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|----------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1        | 2        | 3        | 4          | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       |
| /        | <u>A</u> | <u>L</u> | <u>K</u>   | <u>D</u> | <u>Y</u> | <u>D</u> | <u>V</u> | <u>R</u> | <u>V</u> | <u>N</u> | <u>T</u> | <u>V</u> | <u>H</u> | <u>P</u> | <u>G</u> | <u>Y</u> | <u>I</u> | <u>K</u> | <u>T</u> |
|          | S        |          |            |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 21       | 22       | 23       | 24         | 25       | 26       | 27       | 28       | 29       | 30       |          |          |          |          |          |          |          |          |          |          |
| <u>P</u> | <u>L</u> | <u>V</u> | <u>(V)</u> | <u>D</u> | <u>L</u> | <u>P</u> | <u>G</u> | <u>A</u> | <u>E</u> |          |          |          |          |          |          |          |          |          |          |
|          |          |          | D          |          |          |          |          |          | (G)      |          |          |          |          |          |          |          |          |          |          |

V8-RP Fr. 9

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| K | A | A | K | S | V | G | T | P | D  | Q  | I  | Q  | F  | F  |

V8-RP Fr. 2

|   |   |   |   |   |   |   |   |   |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| G | A | K | V | M | I | T | G | R | H  | S  | D  | V  |

V8-RP Fr. 12

|          |          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       |
| <u>S</u> | <u>K</u> | <u>F</u> | <u>A</u> | <u>T</u> | <u>G</u> | <u>S</u> | <u>E</u> | <u>E</u> | <u>V</u> |
| A        |          | G        |          | F        | V        | Y        | L        |          |          |
|          |          |          |          | I        |          |          |          |          |          |

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V8-RP Fr. 21

[illegible]

V8-RP Fr. 41

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16  | 17  | 18  | 19 | 20 |
| W  | /  | K  | L  | L  | A  | V  | N  | L  | D  | G  | V  | F  | F  | G  | T   | R   | L   | G  | I  |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36  | 37  | 38  | 39 | 40 |
| Q  | R  | M  | K  | N  | K  | G  | L  | G  | A  | S  | I  | I  | N  | M  | (S) | (S) | (I) | /  | /  |

V8-RP Fr. 43

|     |    |    |    |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|
| 1   | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14  | 15 | 16 | 17 | 18 | 19 | 20 |
| (A) | M  | S  | Q  | R  | T  | K  | T  | P  | M  | G  | H  | I  | (G) | E  | P  | N  | D  | I  | A  |
|     |    | K  | L  | L  | A  | V  | N  | L  | D  | G  | V  | F  | F   | G  | T  | R  | L  | G  | I  |
|     |    | A  | K  | S  | V  | G  |    |    | A  | Q  | I  | A  |     |    |    |    |    |    |    |
|     |    |    | E  |    |    |    |    |    |    | Y  | N  | Q  |     |    |    |    |    |    |    |
| 21  | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34  | 35 | 36 | 37 | 38 | 39 | 40 |
| Y   |    |    |    | Y  |    | A  |    |    |    |    |    |    |     |    |    |    |    |    |    |
| Q   | R  | M  | K  | N  | K  | G  | L  | G  | A  | S  | I  | I  | N   | M  | S  |    |    |    | G  |

**V8-RP Fr. 11**

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| S | K | F | A | T | G | S | E | F | V  | V  | /  | /  | /  | /  |

V8-RP Fr. 15

[illegible]